

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Group Art Unit: 1651 :  
Examiner: Allison M. Ford : p18 IN STEM CELL  
In re application of : MANIPULATIONS  
Tao Cheng :  
Serial No.: 10/576,785 :  
Filing Date: April 21, 2006 :  
Attorney Docket No: 060230PCTUS :

**DECLARATION OF DAVID S. FRANKLIN**  
**UNDER 37 C.F.R. § 1.131**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

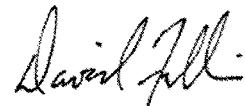
I, David S. Franklin, depose and say as follows:

1. I am a faculty member in the Department of Biochemistry at Tulane University.
2. I am one of the co-authors of the research article entitled "*In vivo* self-renewing divisions of haematopoietic stem cells are increased in the absence of the early G1-phase inhibitors, p18<sup>INK4C</sup>" published May 1, 2004 in *Nature Cell Biology*, Vol. 6(5), pages 436-442 ("Nature paper").
3. I contributed to the Nature paper by providing p18 knockout mice as indicated in the Methods Section on page 441 of the Nature paper.

4. I declare that the conceptual portions related to the self-renewal of hematopoietic stem cells in the absence of p18 in the Nature paper originated with Tao Cheng, Youzhong Yuan, Hongmei Shen, and David T. Scadden.

5. I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or document or any registration resulting therefrom.

Date 6-8-10



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David S. Franklin